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Disturbance Signal Reduction in Servo Systems

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Related Application

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This application claims priority from U.S. Provisional Application Serial No. 60/394,854 entitled "Narrow-Band NRRO Reduction Using a Nonlinear Filter" filed on July 10, 2002 which is incorporated herein by reference.

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Field of the Invention

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The present invention relates to reducing position errors due to disturbances in servo systems and, in particular, to reducing disturbance signals in disk drive servo systems.

Background of the Invention

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A disk drive is a data storage device that stores servo and user data in substantially concentric tracks on a data storage disk. During disk drive operation, the disk is rotated about an axis while a transducer reads data from and/or writes data to a target track of the disk. A servo loop positions the transducer above the target track